

WT AAT Asn
ENU GAT Asp
N222D

FIG. 1



Leptin
Leptin R
Mc4r
Mc3r
Npy
Pomc
Cart
Pc1
Cpe
5ht
Tub

Mouse Pcl	CAGEIAMQANNHKCGVGVAY
Human Pcl	-----
Pig Pcl	-----
Rat Pcl	-----
Sea hare Pcl	---V-I-----R-I--
Mouse Pc6	---V-AS---SY-I--I--
Mouse furin	---V-AV---GV-----
Snail furin2	---V-AE---TY-TI-I-P
198 Pcl	-----D-----
Yeast Kex2	-----NF-----G-
Subtilisin	V---TV-A-----NSI---L---P
N222=N76 in subtilisin	

FIG. 2

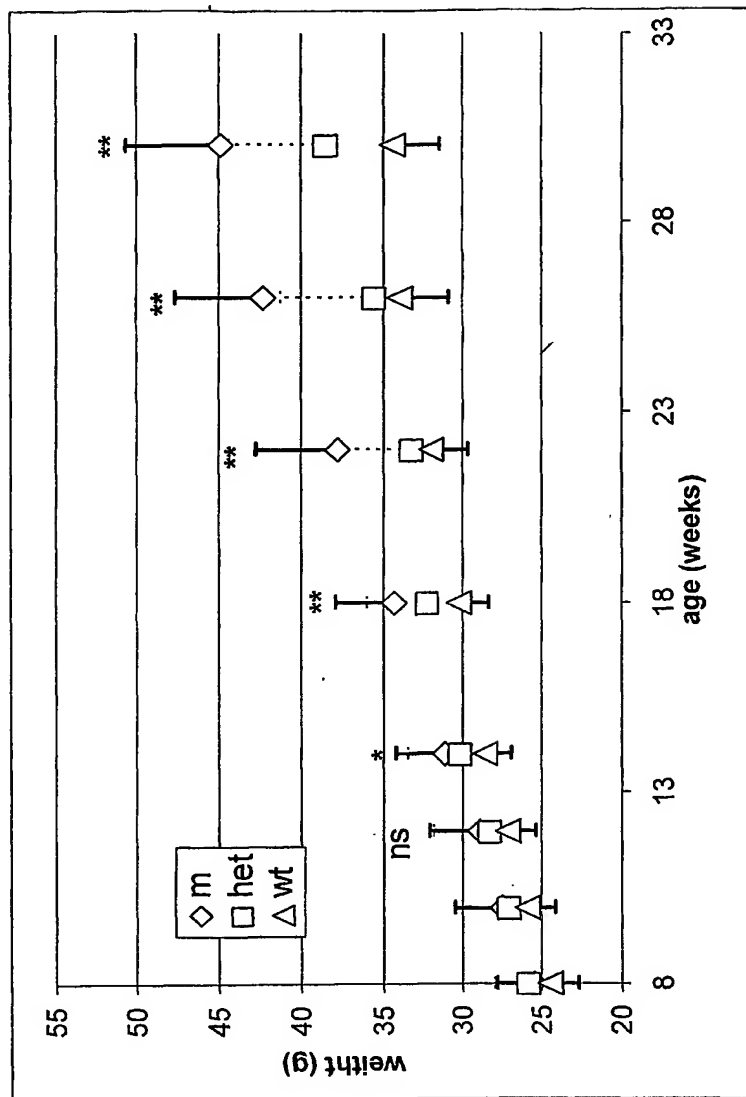
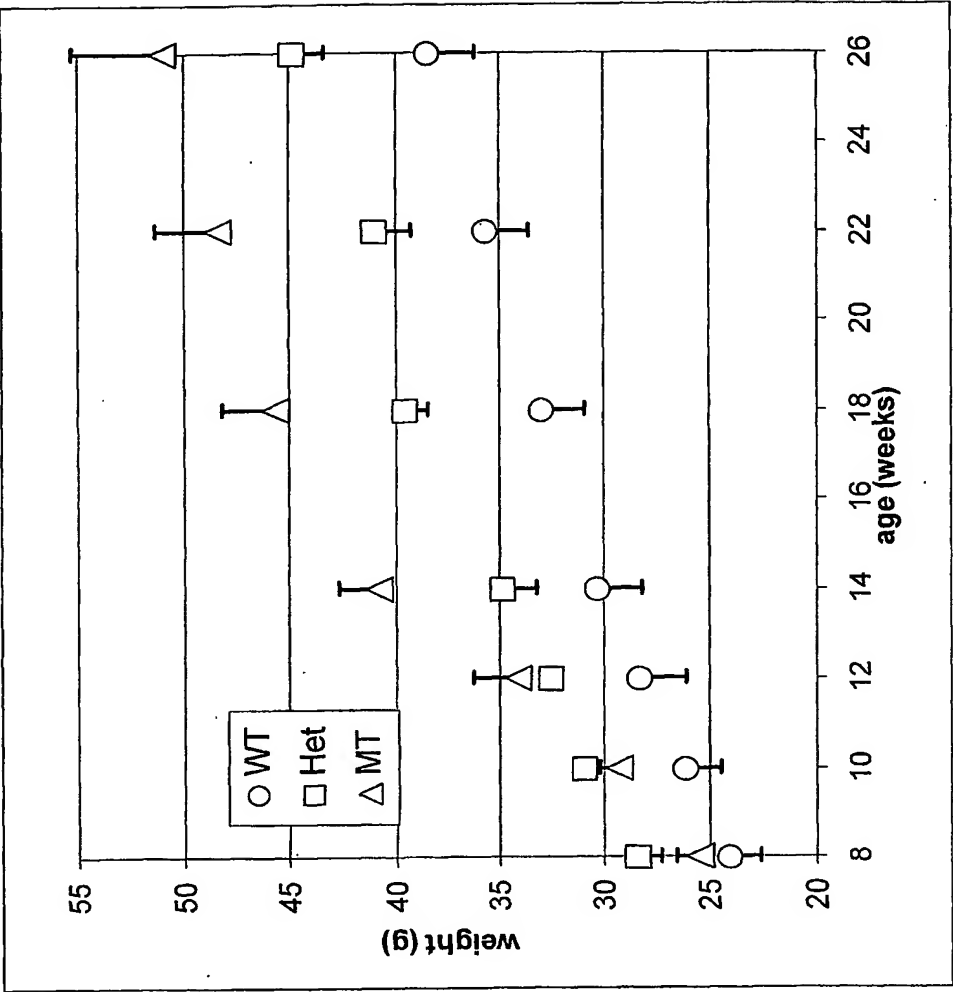


FIG. 3A

FIG. 3B



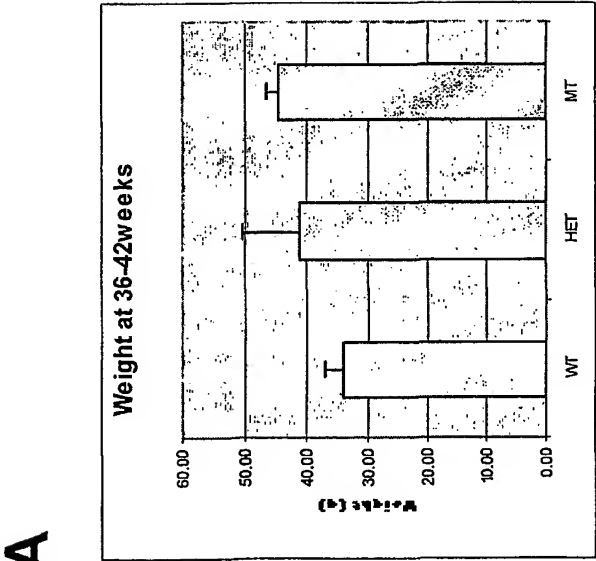
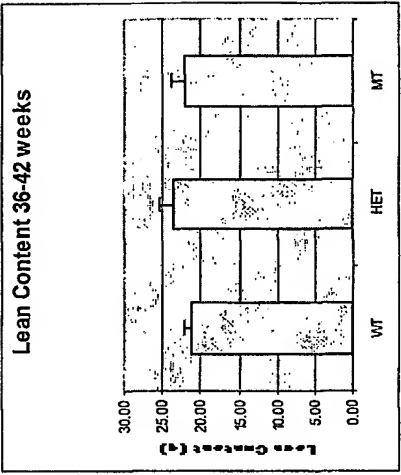
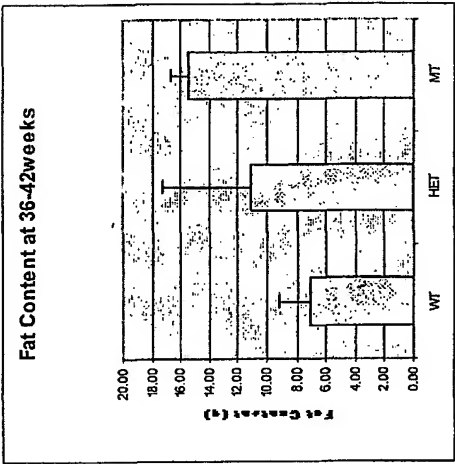
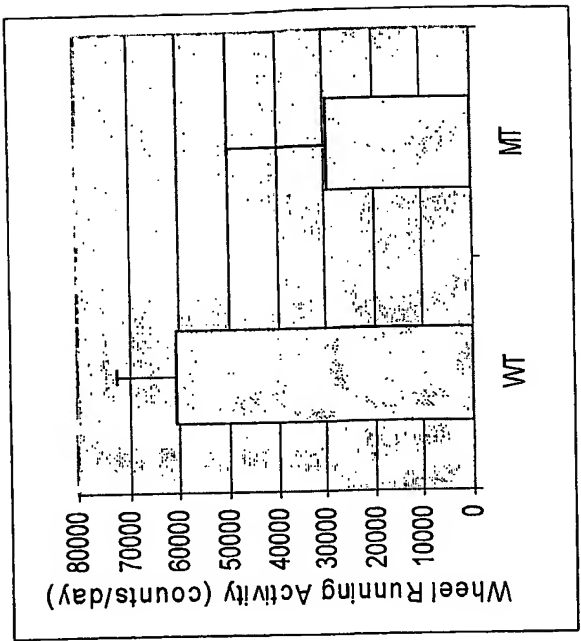


FIG. 4

B.



A.

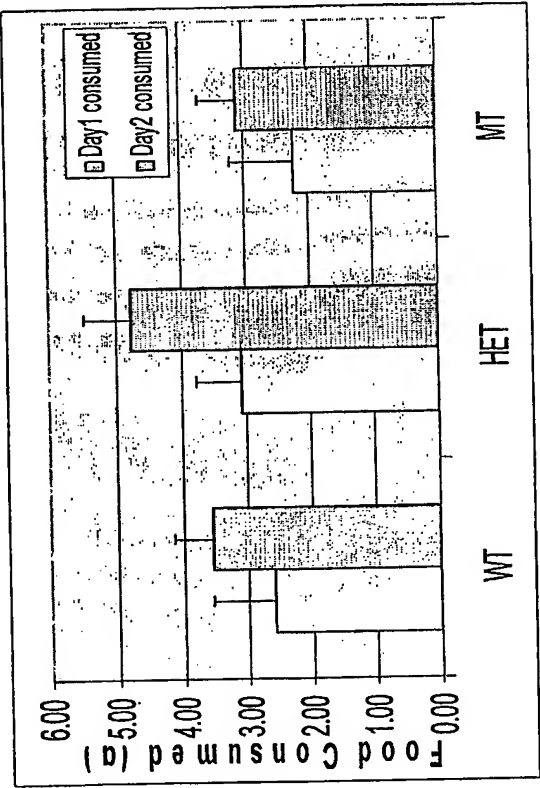


FIG. 5

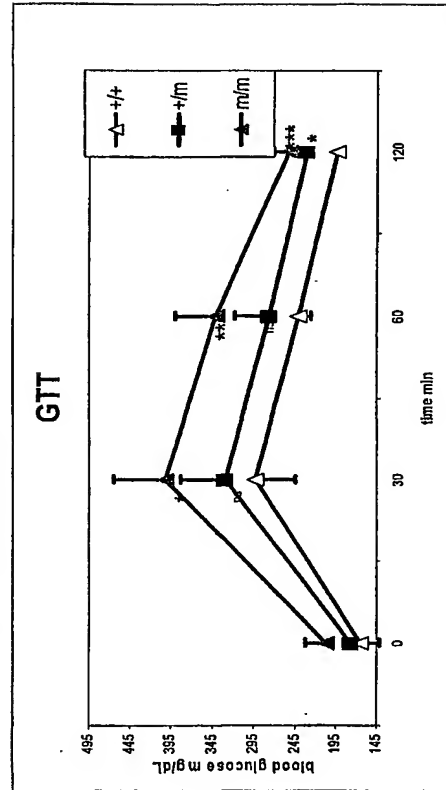
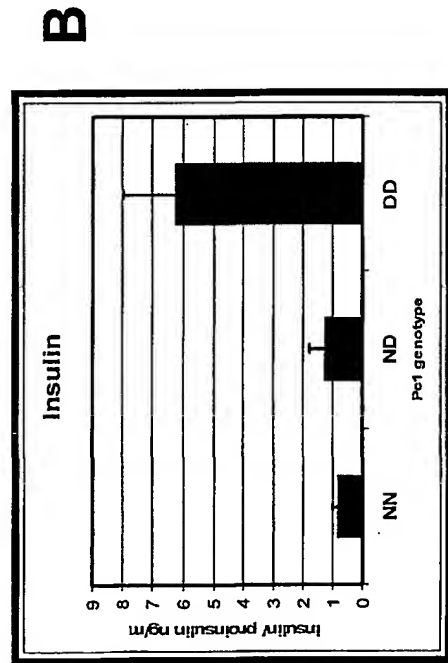
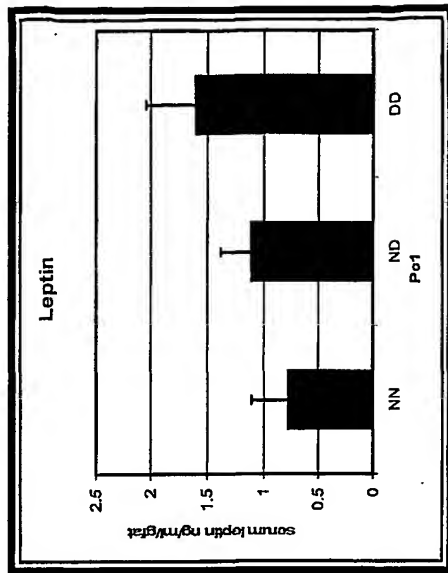


FIG. 6

C

A

B

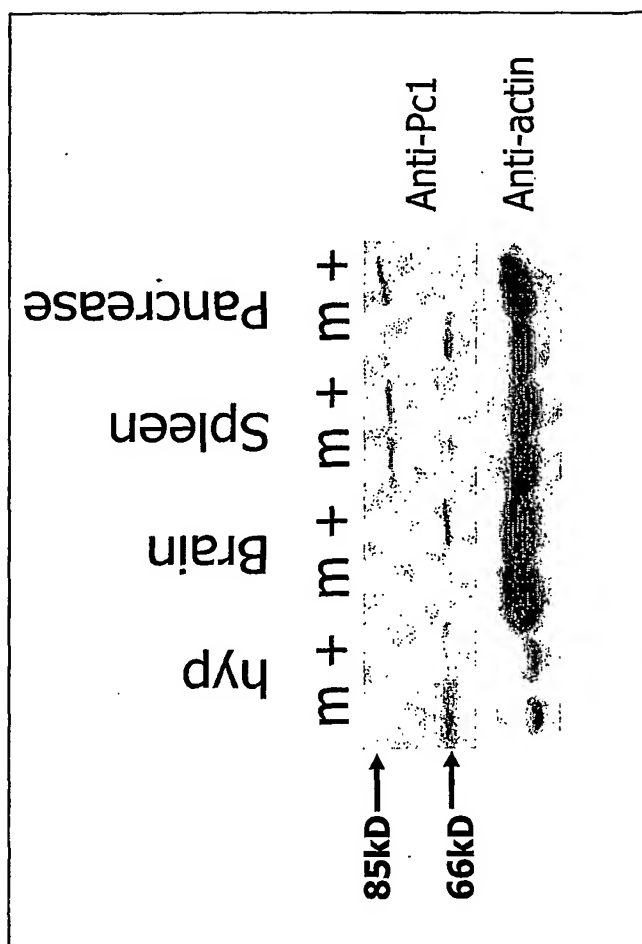


FIG. 7